In-Delta Water Quality

Alternative 1, w/o Storage, Operation A, 3
Same as existing condition. Only one station in south Delta increased in TDS by 10%. The rest of the stations in Delta either improved or stayed the same.

Alternative 1, with Storage, Operation A, 3
Same as without storage but with slightly greater negatives due to higher diversions

Alternative 1, w/o Storage, Operation B, 3
Little difference from Ops A w/o storage. Lower proportional pumping when quality is good. Some stations better and some worse depending on flow patterns.

Alternative 1, with Storage, Operation B, 3
Same as without storage but slightly worse due to increased diversions.

Alternative 2, w/o Storage, Operation A, 4
Seven of the WQ stations in the center and southeast Delta improved 30 to 55%. One station in the south Delta and two stations on the lower Sacramento River decreased by 10% .

Alternative 2, with Storage, Operation A, 4
Same as w/o storage but slightly worse due to increased exports.

Alternative 2, w/o Storage, Operation B, 4
E/I ratio may allow less pumping when the water quality is best, but X3 may improve some water quality at some stations.

Alternative 2, with Storage, Operation B, 4
Similar to w/o storage but slight negative due to increased exports.

Alternative 3, w/o and with Storage, Operation A, 2
Relaxing of X2 to X3 and south Delta pumping of 1,000 cfs. Stations in south Delta 20 to 60 % decrease in water quality.

Alternative 3, with and with Storage, Operation B, 2
No difference than Ops A

Export Water Quality South Delta

Alternative 1, w/o and with Storage, Operation A, **2**
With consolidation of intakes, SWP TDS will increase about 10% while Tracy PP will decrease about the same amount.

Alternative 1, w/o and with Storage, Operation B, **2**
Little difference from Ops A w/o storage. Lower proportional pumping when quality is good. Some quality better and some worse depending on flow patterns. Need model runs with storage to differentiate.

Alternative 2, w/o and with Storage, Operation A, **3**
Improved water quality with 25 to 35% reductions in TDS in Clifton Court Forebay.

Alternative 2, w/o and with Storage, Operation B, **3**
Little difference from Ops B w/o storage. Lower proportional pumping when quality is good. Some quality better and some worse depending on flow patterns. Need model runs with storage to differentiate.

Alternative 3, w/o Storage, Operation A, **4**
Greatly improved water quality with 45 to 55% reductions in TDS in Clifton Court Forebay.

Alternative 3, with Storage, Operation B, **5**
Storage will further improve water quality by improvement of flexibility to fill and drain storage at opportune times. With storage the isolated facility will provide a larger percent of the water exported.

Export Water Quality Contra Costa

Alternative 1, w/o and with Storage, Operation A, **2**
No change from No-action.

Alternative 1, w/o and with Storage, Operation B, **2**
Little difference from Ops A w/o storage. Lower proportional pumping when quality is good. Some quality better and some worse depending on flow patterns. Need model runs with storage to differentiate.

Alternative 2, w/o and with Storage, Operation A, **4**
Improved water quality with 45% reductions in TDS at Old River at Rock Slough.

Alternative 2, w/o and with Storage, Operation B, **4**
Little difference from Ops A w/o storage. Lower proportional pumping when quality is good. Some quality better and some worse depending on flow patterns. Need model runs with storage to differentiate.

Alternative 3, w/o Storage, Operation A, **2**
Little change from No-action.

Alternative 3, with Storage, Operation B, **2**
Little difference from Ops A w/o storage. Lower proportional pumping when quality is good. Some quality better and some worse depending on flow patterns. Need model runs with storage to differentiate.